

AMENDMENTS TO THE ABSTRACT:

Please replace the paragraph (Abstract) beginning at page 27, line 1 with the following rewritten version:

ABSTRACT

A gas purifier Z includes an air passage Q . An adsorption removal device B , which includes a regenerable adsorbent 9 for adsorbing chemical contaminants from non-purified air W^2 and separating the adsorbed contaminants through a regeneration process, and a gas purification unit A , which performs gas-liquid contact with a porous film to separate and removes contaminants from the non-purified air W^2 into a liquid, are arranged in an air passage Q . The chemical contaminants are adsorbed and removed by the adsorption removal device B .